

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

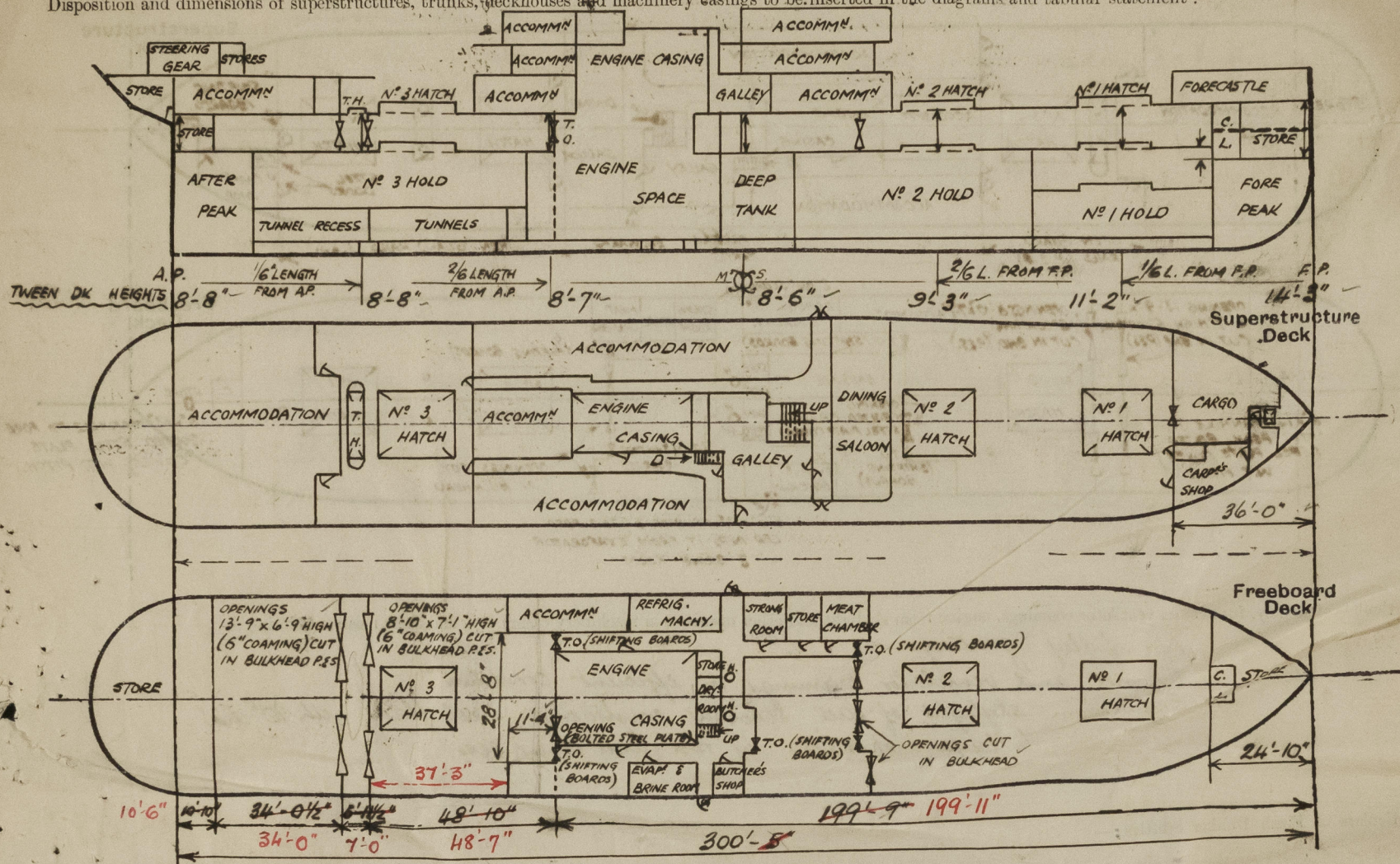
(CONDITIONS OF ASSIGNMENT.)

Index No. **31005**
(For London Office only).

7th 2192.

Ship's Name **T.S. "CUMBAL"** Port of Survey **LIVERPOOL**
 Official Number **166411** Surveyor's Signature **D. S. Forsyth**
 Nationality and Port of Registry **BRITISH, LONDON** Date of Survey **24th January 1938, and subsequently.**

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



Particulars of Superstructures, Trunks, Casings, Deckhouses.

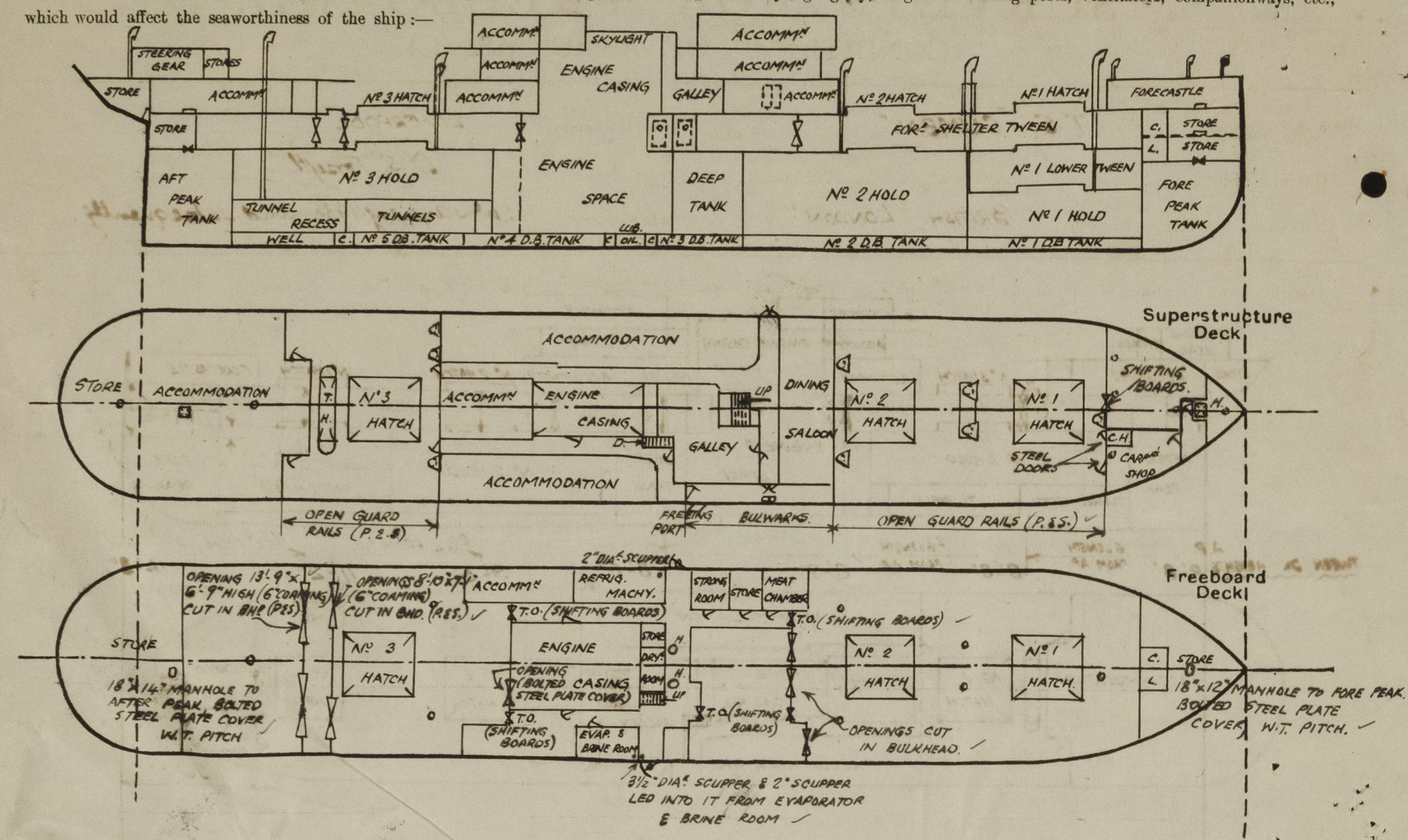
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings.
Poop Bulkhead ...	1/4"	1/4"	3 1/2" x 3" x 5/16"	3'-9"	None	✓	✓	✓
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	None	2 @ 3'-3" x 4'-3 1/2" HIGH	23"	✓
Bridge, After Bulkhead ...	5/16"	5/16"	3 1/2" x 3" x 5/16"	2'-1" to 2'-9"	None	1 @ 3'-10" x 5'-3" HIGH	19"	✓
Bridge, Forward Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Forecastle Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	5/16"	5/16"	3 1/2" x 3" x 5/16" ON ALTERNATE FRSS. & PLATING FLANGED ON INTERMEDIATE FRSS.	2'-4"	None	1 port & starboard 2'-4 1/2" x 5'-6" high	20"	✓
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	None No openings
Raised Quarter Deck Bulkhead ...	2 3/16" Thick
Bridge, After Bulkhead ...	2 Openings provided with shifting boards full height in riveted channel. 1 opening provided with bolted steel plate cover, 3/4" bolts spaced 3" apart.
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Hinged steel door (p.s.s) with spring lock & handle, manipulated both sides, (2'-4 1/2" x 5'-6" high 20" coaming)
Deckhouses on Flush Deck Ships ...	✓

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of fidley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

No fidley gratings.
Funnel and ventilator coamings in efficient condition.
Engine room skylight of steel, strongly constructed, steel flaps with 10" dia. hulleys, operated by rod and screw gear.

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways:—

On Shelter deck amidships (S.S.) double steel door strongly constructed & fitted with toggle operated inside only. (Door 4'-0" x 5'-9" high, 12" coaming)
On Shelter deck amidships (S.S.) steel door in halve, strongly constructed & fitted with toggle operated inside only. (Door 2'-0" x 5'-4" high, 11" coaming)
On Shelter deck at after end of bridge house (P.S.) steel door in halve, strongly constructed & fitted with toggle operated inside only. (Door 2'-0" x 5'-4" high, coaming 11")
On Shelter deck at forward end of poop (P.S.) steel door strongly constructed & fitted with toggle operated inside only. (Door 2'-0" x 5'-4" high, coaming 12")

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Nº	POSITION	DIA.	HT.	THK.	SERVICE	Nº	POSITION	DIA.	HT.	THK.	SERVICE
1	FORECASTLE DECK	11"	36"	3/4"	FORECASTLE & FORE PEAK SPACE	2	SHELTER DECK (AFT)	21"	11'-1"	30"	Nº 3 HOLD & TWEEN.
2	"	8 1/2"	33"	3/8"	FORECASTLE	1	"	8 1/2"	9'-11"	25"	SHELTER TWEEN DECK ACCOMMOD. (P.S.)
2	"	5 1/2"	33"	3/8"	FORECASTLE	1	POOP DECK	21"	12'-0"	30"	Nº 3 HOLD & TUNNEL RECESS
1	SHELTER DECK (FOR)	21"	10'-8"	3/4"	Nº 1 HOLD & TWEENS	1	"	8"	12'-0"	30"	POOP ACCOMMODATION
2	"	20 1/2"	9'-1"	50"	Nº 1 & 2 HOLDS & TWEENS	1	ENGINE ROOM SKYLIGHT	4"	1'-11"	25"	ENGINE ROOM AIR LOCK
2	"	21"	6'-3 1/2"	30"	Nº 2 HOLD & TWEENS						
1	SHELTER DECK (FOR) (S.S.)	10' x 4'	22 1/2"	G.N.	Nº 2 TWEEN						

All ventilator coamings fitted with wood plugs and canvas covers.
Ventilator coamings above 36" in height efficiently stayed.
Fitted with hinged steel flap and butterfly nut.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Nº	POSITION	DIA.	HT.	TYPE	SERVICE	Nº	POSITION	DIA.	HT.	TYPE	SERVICE
✓ 1	FORECASTLE DECK	2 1/2"	9"	G.N.	FORE PEAK TANK	✓ 1	BRIDGE DECK AMIDSHIPS (P.S.)	3"	18"	G.N.	Nº 2 D.B. TANK
✓ 1	"	3"	10"	G.N.	Nº 1 D.B. TANK	✓ 1	"	3"	18"	G.N.	Nº 3 D.B. TANK
X 2	SHELTER DECK (FOR) (P.S.)	3"	30"	G.N.	Nº 1 D.B. TANK	✓ 1	"	3"	18"	G.N.	DEEP TANK (P.)
X 2	"	3 1/2"	30"	G.N.	Nº 2 D.B. TANK	✓ 2	"	3"	18"	G.N.	Nº 3 D.B. TANK
X 1	"	3"	24"	G.N.	Nº 2 D.B. TANK	✓ 2	SHELTER DECK (AFT) (P.S.)	3"	35"	G.N.	PARAFFIN TANKS IN TWEEN DECK
X 1	"	3"	24"	G.N.	Nº 3 D.B. TANK	X 2	"	2"	30"	G.N.	Nº 5 D.B. TANK
✓ 2	"	10' x 4'	22 1/2"	G.N.	DEEP TANK (P.S.)	X 2	"	2"	50"	G.N.	Nº 5 D.B. TANK
						✓ 1	POOP DECK	2 1/2"	24"	G.N.	AFTER PEAK TANK

✓ Denotes air pipe fitted with wood plug & chain.
X Denotes air pipe fitted with gauge & ball float.
✓ Denotes air pipe fitted with hinged steel flap and butterfly nut.

Particulars of Gangway Cargo and Coaling Ports:—

In Shelter tween decks amidships (P.S.), store loading door, strongly constructed and fitted with strongbacks and toggles. 1-12" dia. side scuttle in each with hinged deadlight.
In Bridge house (P.S.) passage gangway door, strongly constructed and fitted with strongbacks and toggles.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Sanitary discharge pipe led thro' shell above level of main deck, and fitted with non-return storm valve.
On starboard side 12" dia. galley dumper discharge led over-side above level of main deck.
The scuppers and freeing ports in tonnage well and the scuppers in shelter tween deck have been permanently riveted up, and a 5" screw down non-return scupper valve controlled from the shelter deck has been fitted in tonnage well (P.S.S.).
1-3 1/2" dia. scupper in tween deck amidships (P.S.), and 1-2" dia. scupper (P.S.) led down to engine room bilge, and fitted with weighted drain cocks.
2" dia. scupper pipes from Bridge deck amidships (P.S.) led thro' shell above level of main deck (No non-return storm valves fitted).

Particulars of Side Scuttles:—

In Forecastle (S.S.) 10" dia. side scuttle (cast brass), no deadlight. (On port side permanently closed with spigot patches).
In Shelter tween deck amidships (P.S.S.) 10" dia. side scuttle (cast brass), fitted with hinged deadlight.
In Bridge forward and side (P.S.) 16" and 14" dia. side scuttles (cast brass) no deadlights fitted.
In Shelter tween deck aft (P.S.) 10" dia. side scuttle (cast brass), fitted with hinged deadlight.
In Poop tween deck (P.S.) 10" dia. side scuttles (cast brass), no deadlights fitted.

Vertical distance of Sill of lowest Side Scuttle above top of keel

About 26'-9"

Particulars of Guard Rails:—

On Forecastle deck, guard rail, 3'-6 1/2" high, 3 rods, stanchions spaced about 4'-6" apart.
On Shelter deck forward and aft, guard rails 3'-6 1/2" high, 3 rods, stanchions spaced about 4'-6" apart. (portable gates in way of hatchways).
On Shelter deck forward in way of Bridge house (S.S.) steel bulwark 3'-4 1/2" high, strongly constructed and supported.
On Bridge deck and Poop deck, guard rail 3'-6 1/2" high, 4 rods, stanchions spaced about 4'-6" apart.

Particulars of Gangways, Lifelines, etc.:—

No gangways or lifelines.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...						
Forward Well SHELTER DECK, ABREAST DINING SALOON (S.S.)	42'-0"	3'-4 1/2"	21' x 15'	(Starboard side) 1	(Starboard side) 2.2 sq. ft.	

State position of each freeing port ... (After Well:—)
and A. position and height above deck edge) Forward Well:—
At after end of bulwark adjacent to horse bulkhead. Height above deck edge 11".
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— Centre hinged shutter.

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										SMALL HATCHWAYS			
Description of Hatchway		N°1	N°2	N°3	N°1	N°2	N°3	TONNAGE HATCH ON SHELTER DK.	TO FORE PEAK STORE ON SHELTER DECK IN FORECASTLE	TO AFT PEAK SPACE ON SHELTER DECK IN POOP	TO DEEP TANK ON MAIN DECK AMIDSHIPS		
Dimensions of Hatchway		18'8" x 16'1"	21'0" x 16'1"	21'0" x 16'1"	18'8" x 15'11"	21'0" x 15'11"	21'0" x 15'11"	4'4" x 16'0"	3'4" x 3'0"	2'5" x 2'0"	2'0" DIA.		
COAMINGS	Height above Deck	9' x 3 1/2" x 40' BA	9' x 3 1/2" x 40' BA	19"	32"	32"	32"	9' x 3 1/2" x 40' BA	9' x 3 1/2" x 40' BA	9' x 3 1/2" x 40' BA	6"		
	Thickness	✓	✓	1.50" PLATE RIVETED TO 9' x 3 1/2" x 40' B.A.	40"	40"	40"	✓	✓	✓	50"		
	Stiffeners	✓	✓	✓	7' x 3" x 34' BA 1 STAY EACH SIDE 7' x 40' BA	7' x 3" x 34' BA 1 STAY EACH SIDE 7' x 40' BA	7' x 3" x 34' BA 1 STAY EACH SIDE 7' x 40' BA	✓	✓	✓	✓		
	Brackets, Stays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
HATCH BEAMS	Number	3	3	3	3	3	3	✓	✓	✓	✓		
	Spacing	4'8"	5'3"	5'3"	4'8"	5'3"	5'3"	✓	✓	✓	✓		
	Scantling and Sketch	7 1/2" x 35" NOTE: HORIZ. FLANGES OF BOTTOM ANGLES CUT AWAY	7 1/2" x 35" Angle 3 1/2" x 3" x 40'	26 1/2" x 30" NOTE: NO BOTTOM ANGLES	11 1/2" x 30" Angle 5' x 3 1/2" x 40'	11 1/2" x 30" Angle 3 1/2" x 3" x 40'	11 1/2" x 30" Angle 3 1/2" x 3" x 40'	✓	✓	✓	✓		
FORE AND AFTERS	Bearing Surface	3"	3"	3"	4 1/2"	3"	3"	✓	✓	✓	✓		
	Number							✓	✓	✓	✓		
HATCH COVERS	Material	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	HINGED STEEL COVERS SECURED BY 8 BOLTS AND NUTS EACH HATCH.		
	Thickness	2 5/8"	2 5/8"	2 5/8"	2 5/8"	2 5/8"	2 5/8"	2 3/4"	2 1/2"	2 1/2"			
	How fitted	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.			
	Bearing Surface	3"	3"	3"	4 1/2" x 1 1/4" AT HATCH ENDS	3" x 1 1/4" AT HATCH ENDS	3" x 1 1/4" AT HATCH ENDS	NO REEF BAR	2"	2"			
Spacing of Cleats		22" to 24"	22" to 24"	22" to 24"	22" to 24"	22" to 24"	22" to 24"	2	2 PER SIDE	2 PER SIDE	✓		
Number of Tarpaulins		1	1	1	2	2	2	2	1	✓	✓		
<p>*Are wood fore and afters steel shod at all bearing surfaces? <i>None</i></p> <p>Are battens and wedges efficient and in good condition? <i>Yes</i></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <i>Yes</i></p> <p>Are lashings provided in accordance with rule requirements? <i>Yes, locking bars, 3" half round lugged at centre, at shelter dk. hatches.</i></p>													

Particulars of any special features:—

In machinery casings in Shelter tween decks, 3-12" dia. side scuttles fitted port and starboard (cast brass)

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.

The vessel was measured afloat, and is meantime under Special Survey N° 3.

See also Secretary's letter, 26th October, 1934, (Reference initial F) concerning the original preliminary assignment.



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